

LISTING OF CLAIMS

Please amend the claims as follows:

1. (Currently amended) An apparatus for treating golf ball surface comprising a sealed casing, a tumbler for holding golf balls in the casing, and an electric source for applying high voltage across the electrodes in order to generate glow discharge, wherein the improvement comprises the tumbler further having:

a plurality of perforated holes in a staggered pattern covering a substantial portion of the tumbler surface[.]; and

wherein the plurality of perforated holes have a curved radius machined about their outer edges[.];

wherein the curved radius is about 0.06 to 0.12 inch.

2-17. (Cancelled)

18. (New) An apparatus for treating golf ball surface comprising a sealed casing, a tumbler for holding golf balls in the casing, and an electric source for applying high voltage across the electrodes in order to generate glow discharge, wherein the improvement comprises the tumbler further having:

a plurality of perforated holes in a staggered pattern covering a substantial portion of the tumbler surface; and

the plurality of perforated holes have a curved radius machined about their outer edges,

wherein the plurality of holes have a through diameter greater than about 0.25 inch and less than about 0.50 inch.

19. (New) An apparatus for treating golf ball surface comprising a sealed casing, a tumbler for holding golf balls in the casing, and an electric source for applying high voltage across the electrodes in order to generate glow discharge, wherein the improvement comprises the tumbler further having:

a plurality of perforated holes in a staggered pattern covering a substantial portion of the tumbler surface; and

the plurality of perforated holes have a curved radius machined about their outer edges,

wherein the staggered pattern includes through-holes of about 0.375 inch diameter on a 0.750 inch staggered pattern.